

July 19, 2004

ToxScan Number: T407002

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad, CA 92008

Attn: Bob Shelquist

Project Name: Colorado Lagoon
Project Number: 5274.01
Date Sampled: June 29, 2004
Date Received: July 02, 2004
Matrix: Water

Please find the enclosed test results for the parameters requested for analyses. The samples were analyzed using the following methods:

Organochlorine Pesticides by EPA 8081A
Organophosphorus Compounds by EPA 8141A
Polychlorinated Biphenyls (PCBs) by EPA 8082

The samples were received and handled with the proper chain-of-custody procedures. Appropriate QA/QC guidelines were employed during the analyses on a minimum of a 5% basis. QC results are reported with or following the data for each analysis.

If you have any questions or require any additional information, please feel free to call.

Sincerely,



Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CL-1-Wat	T407002-01	Water	06/29/04 13:25	07/02/04 09:31
CL-2-Wat	T407002-02	Water	06/29/04 12:15	07/02/04 09:31
CL-3-Wat	T407002-03	Water	06/29/04 14:20	07/02/04 09:31

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Organochlorine Pesticides by EPA 8081A ToxScan Inc.

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CL-1-Wat (T407002-01) Water Sampled: 06/29/04 13:25 Received: 07/02/04 09:31

Aldrin	ND	0.0036	0.0050	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8081A	
alpha-BHC	ND	0.0011	0.010	"	"	"	"	"	"	
beta-BHC	ND	0.0020	0.0050	"	"	"	"	"	"	
delta-BHC	ND	0.0039	0.0050	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	0.0012	0.020	"	"	"	"	"	"	
alpha-Chlordane	ND	0.0019	0.10	"	"	"	"	"	"	
gamma-Chlordane	ND	0.0045	0.10	"	"	"	"	"	"	
4,4'-DDD	ND	0.0018	0.050	"	"	"	"	"	"	
4,4'-DDE	ND	0.0029	0.050	"	"	"	"	"	"	
4,4'-DDT	ND	0.0024	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endosulfan I	ND	0.0012	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.0014	0.010	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.0020	0.050	"	"	"	"	"	"	
Endrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endrin aldehyde	ND	0.0019	0.010	"	"	"	"	"	"	
Endrin Ketone	ND	0.0023	0.010	"	"	"	"	"	"	
Heptachlor	ND	0.0025	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.00055	0.010	"	"	"	"	"	"	
Methoxychlor	ND	0.015	0.050	"	"	"	"	"	"	
Toxaphene	ND	0.043	0.50	"	"	"	"	"	"	

Surrogate: Tetrachloro-m-xylene

57.0 % 50-150

" " " "

Surrogate: Decachlorobiphenyl

66.6 % 50-150

" " " "

CL-2-Wat (T407002-02) Water Sampled: 06/29/04 12:15 Received: 07/02/04 09:31

Aldrin	ND	0.0036	0.0050	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8081A	
alpha-BHC	ND	0.0011	0.010	"	"	"	"	"	"	
beta-BHC	ND	0.0020	0.0050	"	"	"	"	"	"	
delta-BHC	ND	0.0039	0.0050	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	0.0012	0.020	"	"	"	"	"	"	
alpha-Chlordane	ND	0.0019	0.10	"	"	"	"	"	"	
gamma-Chlordane	ND	0.0045	0.10	"	"	"	"	"	"	
4,4'-DDD	ND	0.0018	0.050	"	"	"	"	"	"	
4,4'-DDE	ND	0.0029	0.050	"	"	"	"	"	"	
4,4'-DDT	ND	0.0024	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endosulfan I	ND	0.0012	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.0014	0.010	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.0020	0.050	"	"	"	"	"	"	
Endrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endrin aldehyde	ND	0.0019	0.010	"	"	"	"	"	"	
Endrin Ketone	ND	0.0023	0.010	"	"	"	"	"	"	
Heptachlor	ND	0.0025	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.00055	0.010	"	"	"	"	"	"	

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
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Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Organochlorine Pesticides by EPA 8081A ToxScan Inc.

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CL-2-Wat (T407002-02) Water Sampled: 06/29/04 12:15 Received: 07/02/04 09:31

Methoxychlor	ND	0.015	0.050	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8081A	
Toxaphene	ND	0.043	0.50	"	"	"	"	"	"	
Surrogate: Tetrachloro-m-xylene		58.2 %	50-150			"	"	"	"	
Surrogate: Decachlorobiphenyl		65.8 %	50-150			"	"	"	"	

CL-3-Wat (T407002-03) Water Sampled: 06/29/04 14:20 Received: 07/02/04 09:31

Aldrin	ND	0.0036	0.0050	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8081A	
alpha-BHC	ND	0.0011	0.010	"	"	"	"	"	"	
beta-BHC	ND	0.0020	0.0050	"	"	"	"	"	"	
delta-BHC	ND	0.0039	0.0050	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	0.0012	0.020	"	"	"	"	"	"	
alpha-Chlordane	ND	0.0019	0.10	"	"	"	"	"	"	
gamma-Chlordane	ND	0.0045	0.10	"	"	"	"	"	"	
4,4'-DDD	ND	0.0018	0.050	"	"	"	"	"	"	
4,4'-DDE	ND	0.0029	0.050	"	"	"	"	"	"	
4,4'-DDT	ND	0.0024	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endosulfan I	ND	0.0012	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.0014	0.010	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.0020	0.050	"	"	"	"	"	"	
Endrin	ND	0.0021	0.010	"	"	"	"	"	"	
Endrin aldehyde	ND	0.0019	0.010	"	"	"	"	"	"	
Endrin Ketone	ND	0.0023	0.010	"	"	"	"	"	"	
Heptachlor	ND	0.0025	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.00055	0.010	"	"	"	"	"	"	
Methoxychlor	ND	0.015	0.050	"	"	"	"	"	"	
Toxaphene	ND	0.043	0.50	"	"	"	"	"	"	
Surrogate: Tetrachloro-m-xylene		69.0 %	50-150			"	"	"	"	
Surrogate: Decachlorobiphenyl		69.6 %	50-150			"	"	"	"	

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T407002
Reported:
7/19/2004

**Organophosphorus Compounds by EPA 8141A
ToxScan Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CL-1-Wat (T407002-01) Water **Sampled: 06/29/04 13:25** **Received: 07/02/04 09:31**

Prometryn	ND	1.0	1.0	ug/l	1	TG41907	07/06/04	07/16/04	EPA 8141A	
Atrazine	ND	1.0	1.0	"	"	"	"	"	"	
Simazine	ND	1.0	1.0	"	"	"	"	"	"	
Cyanazine	ND	1.0	1.0	"	"	"	"	"	"	
Diazinon	ND	0.010	0.010	"	"	"	"	"	"	
Malathion	ND	1.0	1.0	"	"	"	"	"	"	
Chlorpyrifos	ND	0.010	0.050	"	"	"	"	"	"	

Surrogate: Triphenyl phosphate 80.0 % 50-150 " " " "

CL-2-Wat (T407002-02) Water **Sampled: 06/29/04 12:15** **Received: 07/02/04 09:31**

Prometryn	ND	1.0	1.0	ug/l	1	TG41907	07/06/04	07/16/04	EPA 8141A	
Atrazine	ND	1.0	1.0	"	"	"	"	"	"	
Simazine	ND	1.0	1.0	"	"	"	"	"	"	
Cyanazine	ND	1.0	1.0	"	"	"	"	"	"	
Diazinon	ND	0.010	0.010	"	"	"	"	"	"	
Malathion	ND	1.0	1.0	"	"	"	"	"	"	
Chlorpyrifos	ND	0.010	0.050	"	"	"	"	"	"	

Surrogate: Triphenyl phosphate 71.8 % 50-150 " " " "

CL-3-Wat (T407002-03) Water **Sampled: 06/29/04 14:20** **Received: 07/02/04 09:31**

Prometryn	ND	1.0	1.0	ug/l	1	TG41907	07/06/04	07/16/04	EPA 8141A	
Atrazine	ND	1.0	1.0	"	"	"	"	"	"	
Simazine	ND	1.0	1.0	"	"	"	"	"	"	
Cyanazine	ND	1.0	1.0	"	"	"	"	"	"	
Diazinon	ND	0.010	0.010	"	"	"	"	"	"	
Malathion	ND	1.0	1.0	"	"	"	"	"	"	
Chlorpyrifos	ND	0.010	0.050	"	"	"	"	"	"	

Surrogate: Triphenyl phosphate 75.5 % 50-150 " " " "

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Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

**Polychlorinated Biphenyls (PCBs) by EPA 8082
ToxScan Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CL-1-Wat (T407002-01) Water Sampled: 06/29/04 13:25 Received: 07/02/04 09:31										
Aroclor-1016	ND	0.077	0.50	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8082	
Aroclor-1221	ND	0.13	0.50	"	"	"	"	"	"	
Aroclor-1232	ND	0.087	0.50	"	"	"	"	"	"	
Aroclor-1242	ND	0.075	0.50	"	"	"	"	"	"	
Aroclor-1248	ND	0.054	0.50	"	"	"	"	"	"	
Aroclor-1254	ND	0.024	0.50	"	"	"	"	"	"	
Aroclor-1260	ND	0.17	0.50	"	"	"	"	"	"	
Total PCBs	ND	0.024	0.50	"	"	"	"	"	"	
CL-2-Wat (T407002-02) Water Sampled: 06/29/04 12:15 Received: 07/02/04 09:31										
Aroclor-1016	ND	0.077	0.50	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8082	
Aroclor-1221	ND	0.13	0.50	"	"	"	"	"	"	
Aroclor-1232	ND	0.087	0.50	"	"	"	"	"	"	
Aroclor-1242	ND	0.075	0.50	"	"	"	"	"	"	
Aroclor-1248	ND	0.054	0.50	"	"	"	"	"	"	
Aroclor-1254	ND	0.024	0.50	"	"	"	"	"	"	
Aroclor-1260	ND	0.17	0.50	"	"	"	"	"	"	
Total PCBs	ND	0.024	0.50	"	"	"	"	"	"	
CL-3-Wat (T407002-03) Water Sampled: 06/29/04 14:20 Received: 07/02/04 09:31										
Aroclor-1016	ND	0.077	0.50	ug/l	1	TG41906	07/06/04	07/09/04	EPA 8082	
Aroclor-1221	ND	0.13	0.50	"	"	"	"	"	"	
Aroclor-1232	ND	0.087	0.50	"	"	"	"	"	"	
Aroclor-1242	ND	0.075	0.50	"	"	"	"	"	"	
Aroclor-1248	ND	0.054	0.50	"	"	"	"	"	"	
Aroclor-1254	ND	0.024	0.50	"	"	"	"	"	"	
Aroclor-1260	ND	0.17	0.50	"	"	"	"	"	"	
Total PCBs	ND	0.024	0.50	"	"	"	"	"	"	

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Organochlorine Pesticides by EPA 8081A - Quality Control

ToxScan Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch TG41906 - EPA 3510c

Duplicate (TG41906-DUP1)

Source: T407002-02

Prepared: 07/06/04 Analyzed: 07/09/04

Aldrin	ND	0.0036	0.0050	ug/l		ND			50	
alpha-BHC	ND	0.0011	0.010	"		ND			50	
beta-BHC	ND	0.0020	0.0050	"		ND			50	
delta-BHC	ND	0.0039	0.0050	"		ND			50	
gamma-BHC (Lindane)	ND	0.0012	0.020	"		ND			50	
alpha-Chlordane	ND	0.0019	0.10	"		ND			50	
gamma-Chlordane	ND	0.0045	0.10	"		ND			50	
4,4'-DDD	ND	0.0018	0.050	"		ND			50	
4,4'-DDE	ND	0.0029	0.050	"		ND			50	
4,4'-DDT	ND	0.0024	0.010	"		ND			50	
Dieldrin	ND	0.0021	0.010	"		ND			50	
Endosulfan I	ND	0.0012	0.020	"		ND			50	
Endosulfan II	ND	0.0014	0.010	"		ND			50	
Endosulfan sulfate	ND	0.0020	0.050	"		ND			50	
Endrin	ND	0.0021	0.010	"		ND			50	
Endrin aldehyde	ND	0.0019	0.010	"		ND			50	
Endrin Ketone	ND	0.0023	0.010	"		ND			50	
Heptachlor	ND	0.0025	0.010	"		ND			50	
Heptachlor epoxide	ND	0.00055	0.010	"		ND			50	
Methoxychlor	ND	0.015	0.050	"		ND			50	
Toxaphene	ND	0.043	0.50	"		ND			50	
Surrogate: Tetrachloro-m-xylene	0.0272			"	0.0500		54.4	50-150		
Surrogate: Decachlorobiphenyl	0.0317			"	0.0500		63.4	50-150		

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Organophosphorus Compounds by EPA 8141A - Quality Control

ToxScan Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch TG41907 - EPA 3520C

Blank (TG41907-BLK1)

Prepared: 07/06/04 Analyzed: 07/15/04

Prometryn	ND	1.0	1.0	ug/l
Atrazine	ND	1.0	1.0	"
Simazine	ND	1.0	1.0	"
Cyanazine	ND	1.0	1.0	"
Diazinon	ND	0.010	0.010	"
Malathion	ND	1.0	1.0	"
Chlorpyrifos	ND	0.010	0.050	"

Surrogate: Triphenyl phosphate 0.750 " 1.00 75.0 50-150

LCS (TG41907-BS1)

Prepared: 07/06/04 Analyzed: 07/15/04

Diazinon	0.665	0.010	0.010	ug/l	1.00	66.5	50-150
Disulfoton	0.505	0.10	0.10	"	1.00	50.5	50-150
Parathion-methyl	0.710	0.10	0.10	"	1.00	71.0	50-150
Malathion	0.775	0.50	0.50	"	1.00	77.5	50-150
Parathion-ethyl	0.740	0.10	0.10	"	1.00	74.0	50-150
Ethion	0.810	0.10	0.10	"	1.00	81.0	50-150
Azinphos methyl	0.860	0.10	0.10	"	1.00	86.0	50-150

Surrogate: Triphenyl phosphate 0.700 " 1.00 70.0 50-150

Duplicate (TG41907-DUP1)

Source: T407002-01

Prepared: 07/06/04 Analyzed: 07/16/04

Prometryn	ND	1.0	1.0	ug/l	ND	50
Atrazine	ND	1.0	1.0	"	ND	50
Simazine	ND	1.0	1.0	"	ND	50
Cyanazine	ND	1.0	1.0	"	ND	50
Diazinon	ND	0.010	0.010	"	ND	50
Malathion	ND	1.0	1.0	"	ND	50
Chlorpyrifos	ND	0.010	0.050	"	ND	50

Surrogate: Triphenyl phosphate 0.725 " 1.00 72.5 50-150

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5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Polychlorinated Biphenyls (PCBs) by EPA 8082 - Quality Control
ToxScan Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch TG41906 - EPA 3510c

Blank (TG41906-BLK1)

Prepared: 07/06/04 Analyzed: 07/09/04

Aroclor-1016	ND	0.077	0.50	ug/l
Aroclor-1221	ND	0.13	0.50	"
Aroclor-1232	ND	0.087	0.50	"
Aroclor-1242	ND	0.075	0.50	"
Aroclor-1248	ND	0.054	0.50	"
Aroclor-1254	ND	0.024	0.50	"
Aroclor-1260	ND	0.17	0.50	"
Total PCBs	ND	0.024	0.50	"

Duplicate (TG41906-DUP1)

Source: T407002-02

Prepared: 07/06/04 Analyzed: 07/09/04

Aroclor-1016	ND	0.077	0.50	ug/l	ND	20
Aroclor-1221	ND	0.13	0.50	"	ND	20
Aroclor-1232	ND	0.087	0.50	"	ND	20
Aroclor-1242	ND	0.075	0.50	"	ND	20
Aroclor-1248	ND	0.054	0.50	"	ND	20
Aroclor-1254	ND	0.024	0.50	"	ND	20
Aroclor-1260	ND	0.17	0.50	"	ND	20
Total PCBs	ND	0.024	0.50	"	ND	20

Kinnetic Laboratories - Carlsbad
5225-H Avenida Encinas
Carlsbad CA, 92008

Project: Colorado Lagoon
Project Number: 5274.01
Project Manager: Bob Shelquist

T407002
Reported:
7/19/2004

Notes and Definitions

P-06 gamma-BHC (Lindane) recovery was outside of QC limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the MDL

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Location: R11, S42, Floor Chain of Custody Record

Page of



Toxscan, Inc. 42 Hangar Way Watsonville, CA 95076 (831) 724-4522 (831) 724-3188 Fax Contact: Leonard Villanueva, Sandra Reebie	Date Received: 7/2/04 Lab T#: 407002	From: Kinnetic Laboratories, Inc 5225-II Avenida Encinas Carlsbad, CA 92008 (760) 438-8968 (760) 438-2959 Fax Contact: Genevieve Lada
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Project: Colorado Lagoon Matrix: Water Project #: 5274.01

Sample ID	Station ID	Sample Date	Sample Time	Sample Type	Analysis	Container	Pres	No. of Bottles	Lab ID	Condition Upon Receipt
CL-1-Wat	Colorado Lagoon 1	6/29/04	1325	Grab	OC Pesticides, PCBs (EPA 8081A)*	1L AG	4 °C	2	7407002-01-A1B	Intact
CL-1-Wat	Colorado Lagoon 1		1325	Grab	OP Pesticides (EPA 8141A)*	1L AG	4 °C	2	↓ C,D	
CL-2-Wat	Colorado Lagoon 2		1215	Grab	OC Pesticides, PCBs (EPA 8081A)*	1L AG	4 °C	2	02-A1B	
CL-2-Wat	Colorado Lagoon 2		↓	Grab	OP Pesticides (EPA 8141A)*	1L AG	4 °C	2	↓ C,D	
CL-3-Wat	Colorado Lagoon 3		1420	Grab	OC Pesticides, PCBs (EPA 8081A)*	1L AG	4 °C	2	03-A1B	
CL-3-Wat	Colorado Lagoon 3		↓	Grab	OP Pesticides (EPA 8141A)*	1L AG	4 °C	2	↓ C,D	
CL-1-Wat	Colorado Lagoon 1	7/01/04	1320	GRAB	Electriate Prep Water	20L Glass	4 °C	3	↓ 04-A1B	↓

Data Report MUST include the following: Sample ID, Analytical Method, Detection Limit, Date of Extraction if applicable, Date of Analysis, Analytical Results and Signature of QA Reviewer.

Special Instructions/Comments: BATCH QA/QC ONLY. * Please refer to attached list for all specific analyses.

Sampled and Relinquished By: 	Transporter: KLI	Received By: 	Date/Time: 7/2/04 0931
Relinquished By:	Transporter:	Received By:	Date/Time:

July 28, 2004

Service Request No: K2404780

Genevieve Lada
Kinnetic Laboratories, Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008

RE: Colorado Lagoon / 5274.01

Dear Genevieve:

Enclosed are the results of the sample(s) submitted to our laboratory on June 30, 2004. For your reference, these analyses have been assigned our service request number K2404780.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3280.

Respectfully submitted,

Columbia Analytical Services, Inc.


Les Kennedy
Project Chemist

LK/jeb

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

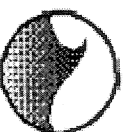
Chain of Custody Documentation

00004

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1244780

Kinetic Laboratories, Inc
5225-H Avenida Encinas
Carlsbad, CA 92008
(760) 438-8968
(760) 438-2959 Fax
Contact: Genevieve Lada



Date/Time:

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC LES

Project/Client Kanehite Work Order K240 4780

Cooler received on 6/30/04 and opened on 6/30/04 by VRB

1. Were custody seals on outside of coolers?

Y ☒ N

If yes, how many and where? _____

2. Were custody seals intact?

☒ Y

3. Were signature and date present on the custody seals?

Y ☒ N

4. Is the shipper's airbill available and filed? If no, record airbill number: 7926 74561801

Y ☒ N

5. COC# _____

Temperature of cooler(s) upon receipt:

Temperature Blank:

<u>4.3</u>	<u>5.7</u>	_____	_____
<u>3.5</u>	<u>4.0</u>	_____	_____

Were samples hand-delivered on the same day as collection?

Y ☒ N

6. Were custody papers properly filled out (ink, signed, etc.)?

☒ Y N

7. Type of packing material present gel packs - bmap

8. Did all bottles arrive in good condition (unbroken)?

☒ Y N

9. Were all bottle labels complete (i.e analysis, preservation, etc.)?

☒ Y N

10. Did all bottle labels and tags agree with custody papers?

☒ Y N

11. Were the correct types of bottles used for the tests indicated?

☒ Y N

12. Were all of the preserved bottles received at the lab with the appropriate pH?

☒ Y N

13. Were VOA vials checked for absence of air bubbles, and if present, noted below?

☒ Y N

14. Did the bottles originate from CAS/K or a branch laboratory?

☒ Y N

15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?

☒ Y N

16. Was C12/Res negative?

☒ Y N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00006

Metals

00007

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon

Service Request: K2404780

<u>Sample No.</u>	<u>Lab Sample ID.</u>
CL-1-Wat	K2404780-001
CL-1-Wat	K2404780-001 DISS
CL-1-WatD	K2404780-001D
CL-1-WatS	K2404780-001S
CL-2-Wat	K2404780-002
CL-2-Wat	K2404780-002 DISS
CL-2-WatD	K2404780-002D
CL-2-WatS	K2404780-002S
CL-3-Wat	K2404780-003
CL-3-Wat	K2404780-003 DISS
Method Blank	K2404780-MB

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

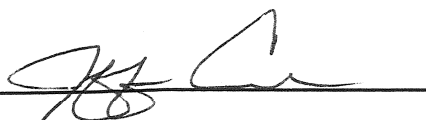
Yes/No YES

If yes-were raw data generated before
application of background corrections?

Yes/No NO

Comments:

Signature:



Date:

7/28/04

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected: 06/29/04
Date Received: 06/30/04
Units: µg/L
Basis: NA

Sample Name: CL-1-Wat

Lab Code: K2404780-001

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	50	U	
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.6		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	137		
Lead	6020	0.02	1	7/23/04	7/26/04	1.28		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.6		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.06		
Zinc	200.8	0.5	1	7/23/04	7/26/04	4.1		

% Solids: 0.0

Comments:

00009

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs

Service Request: K2404780

Project No.: 5274.01

Date Collected: 06/29/04

Project Name: Colorado Lagoon

Date Received: 06/30/04

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: CL-1-Wat

Lab Code: K2404780-001 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	50	U	
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.4		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	48.6		
Lead	6020	0.02	1	7/23/04	7/26/04	0.07		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.4		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.03		
Zinc	200.8	0.5	1	7/23/04	7/26/04	1.8		

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected: 06/29/04
Date Received: 06/30/04
Units: µG/L
Basis: NA

Sample Name: CL-2-Wat

Lab Code: K2404780-002

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	68.9		
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.4		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	181		
Lead	6020	0.02	1	7/23/04	7/26/04	0.95		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.5		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.03		
Zinc	200.8	0.5	1	7/23/04	7/26/04	2.8		

% Solids: 0.0

Comments:

00011

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected: 06/29/04
Date Received: 06/30/04
Units: µg/L
Basis: NA

Sample Name: CL-2-Wat

Lab Code: K2404780-002 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	50	U	
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.2		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	37.9		
Lead	6020	0.02	1	7/23/04	7/26/04	0.50		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.3		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.11		
Zinc	200.8	0.5	1	7/23/04	7/26/04	2.4		

% Solids: 0.0

Comments:

00012

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected: 06/29/04
Date Received: 06/30/04
Units: µG/L
Basis: NA

Sample Name: CL-3-Wat

Lab Code: K2404780-003

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	95.0		
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.4		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02		
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	211		
Lead	6020	0.02	1	7/23/04	7/26/04	1.02		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.5		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Zinc	200.8	0.5	1	7/23/04	7/26/04	3.4		

% Solids: 0.0

Comments:

00013

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected: 06/29/04
Date Received: 06/30/04
Units: µG/L
Basis: NA

Sample Name: CL-3-Wat

Lab Code: K2404780-003 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	50	U	
Arsenic	200.8	0.5	1	7/23/04	7/26/04	1.3		
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.9		
Iron	6010B	20	1	7/15/04	7/19/04	38.6		
Lead	6020	0.02	1	7/23/04	7/26/04	0.11		
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.3		
Selenium	7742	1.0	2	7/15/04	7/27/04	1.0	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.03		
Zinc	200.8	0.5	1	7/23/04	7/26/04	1.9		

% Solids: 0.0

Comments:

00014

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Date Collected:
Date Received:
Units: µG/L
Basis: NA

Sample Name: Method Blank

Lab Code: K2404780-MB

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	50	1	7/15/04	7/19/04	50	U	
Arsenic	200.8	0.5	1	7/23/04	7/26/04	0.5	U	
Cadmium	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Chromium	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Copper	200.8	0.1	1	7/23/04	7/26/04	0.1	U	
Iron	6010B	20	1	7/15/04	7/19/04	20	U	
Lead	6020	0.02	1	7/23/04	7/26/04	0.02	U	
Nickel	200.8	0.2	1	7/23/04	7/26/04	0.2	U	
Silver	200.8	0.02	1	7/23/04	7/26/04	0.02	U	
Zinc	200.8	0.5	1	7/23/04	7/26/04	0.5	U	

% Solids: 0.0

Comments:

00015

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: CL-1-WatS

Lab Code: K2404780-001S

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Aluminum	74 - 133	1730	50.0 U	2000	87		6010B
Iron	74 - 131	1090	137	1000	95		6010B
Selenium	75 - 125	1090	1.0 U	1000	109		7742

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: Kinnetic Labs

Service Request: K2404780

Project No.: 5274.01

Units: µg/L

Project Name: Colorado Lagoon

Basis: NA

Matrix: WATER

% Solids: 0.0

Sample Name: CL-2-WatS

Lab Code: K2404780-002S

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Arsenic	32 - 136	3.2	1.4	2.0	90		200.8
Cadmium	58 - 123	1.78	0.02 U	2.00	89		200.8
Chromium	57 - 122	2.0	0.2 U	2.0	102		200.8
Copper	29 - 134	2.6	0.9	2.0	84		200.8
Lead	61 - 115	2.60	0.95	2.00	83		6020
Nickel	1 - 126	2.4	0.5	2.0	98		200.8
Silver	65 - 109	1.71	0.03	2.00	84		200.8
Zinc	46 - 134	4.4	2.8	2.0	82		200.8

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS
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DUPLICATES

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: CL-1-WatD

Lab Code: K2404780-001D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum		50	U	50	U			6010B
Iron	20	137		140		2		6010B
Selenium		1.0	U	1.0	U			7742

All empty field in the Control Limit column indicates the control limit is not applicable. 00018

METALS
-6-
DUPLICATES

Client: Kinnetic Labs
Project No.: 5274.01
Project Name: Colorado Lagoon
Matrix: WATER

Service Request: K2404780
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: CL-2-WatD

Lab Code: K2404780-002D

Analyte	Control Limit(%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		1.4		1.4		1		200.8
Cadmium		0.02	U	0.02	U			200.8
Chromium		0.2	U	0.2	U			200.8
Copper	20	0.9		0.9		2		200.8
Lead	20	0.95		0.90		6		6020
Nickel		0.5		0.5		2		200.8
Silver		0.03		0.02		33		200.8
Zinc	20	2.8		2.8		0		200.8

An empty field in the Control Limit column indicates the control limit is not applicable.

00019

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

CA ELAP Certificate #1494

July 29, 2004

Kinnetic Laboratories
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve Lada

Our Laboratory # 184299

Project #/Name: 5274.01 / Colorado Lagoon
Matrix: Water

The following table lists the dates and times the samples were collected and received:

Laboratory #	Sampling Site	Sample ID	Date Sampled	Time Sampled	Date/Time Received
184299-1	Colorado Lagoon 1	CL-1-Wat	6/29/2004	13:25	07/01/04 9:50
184299-2	Colorado Lagoon 2	CL-2-Wat	6/29/2004	12:15	07/01/04 9:50
184299-3	Colorado Lagoon 3	CL-3-Wat	6/29/2004	14:20	07/01/04 9:50
184299-4	CL-3	CL-3-SD-a	6/29/2004	15:38	07/01/04 9:50
184299-5	CL-3	CL-3-SD-aa	6/29/2004	15:35	07/01/04 9:50

The samples were analyzed within holding time using the following methods:

Analysis	Method	Date/Time Analyzed
Total Phosphorus	EPA 365.2	07/06/04 08:50
Ortho-Phosphate	EPA 365.3	07/01/04 11:30
Kjeldahl Nitrogen	EPA 351.3	07/12/04 09:20
Ammonia Nitrogen	EPA 350.1	07/16/04 09:55
Nitrate	EPA 300.0	07/01/04 10:40
Total Suspended Solids	EPA 160.2	07/06/04 08:30
Salinity	SM 2520B	07/06/04 08:30

The samples were received intact and were handled with the proper chain-of-custody procedures. Appropriate QA/QC guidelines were employed during the analysis on a minimum 5% basis. QC results were within limits and are reported following the data for the analysis.

If you have any questions or require any additional information, please feel free to call.

Sincerely,



Mike Galloway
Lab Manager

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01 / Colorado Lagoon
Sampling Site: Colorado Lagoon 1
Sample ID: CL-1-Wat
Matrix: Water
Our Laboratory #: 184299- 1/ 5

Sample Collected: 6/29/2004 13:25

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>DLR*</u>	<u>Preparation Batch#</u>	<u>Analysis Batch#</u>
Total Phosphorus (as P)	0.061	mg/L	365.2	0.01	TotP_070604	TotP_070604
Ortho-Phosphate (as P)	0.050	mg/L	365.3	0.01	OrthoP_070104	OrthoP_070104
Kjeldahl Nitrogen (as N)	0.86	mg/L	351.3	0.10	TKN_071204	TKN_071204
Ammonia Nitrogen (as N)	ND	mg/L	350.1	0.10	NH3_071604	NH3_071604
Nitrate (as N)	ND	mg/L	300.0	0.10	NO3_070104	NO3_070104
Total Suspended Solids (TSS or NFR)	4.5	mg/L	160.2	1.0	TSS_070604	TSS_070604

DLR is Detection Limit for Reporting.

ND is Not Detected, which means the result is lower than the DLR.

A Division of Control Laboratories Inc.

Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01 / Colorado Lagoon
Sampling Site: Colorado Lagoon 2
Sample ID: CL-2-Wat
Matrix: Water
Our Laboratory #: 184299- 2/ 5

Sample Collected: 6/29/2004 12:15

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>DLR*</u>	<u>Preparation Batch#</u>	<u>Analysis Batch#</u>
Total Phosphorus (as P)	0.043	mg/L	365.2	0.01	TotP_070604	TotP_070604
Ortho-Phosphate (as P)	0.039	mg/L	365.3	0.01	OrthoP_070104	OrthoP_070104
Kjeldahl Nitrogen (as N)	0.66	mg/L	351.3	0.10	TKN_071204	TKN_071204
Ammonia Nitrogen (as N)	0.16	mg/L	350.1	0.10	NH3_071604	NH3_071604
Nitrate (as N)	ND	mg/L	300.0	0.10	NO3_070104	NO3_070104
Total Suspended Solids (TSS or NFR)	5.0	mg/L	160.2	1.0	TSS_070604	TSS_070604

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Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01 / Colorado Lagoon
Sampling Site: Colorado Lagoon 3
Sample ID: CL-3-Wat
Matrix: Water
Our Laboratory #: 184299- 3/ 5

Sample Collected: 6/29/2004 14:20

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>DLR*</u>	<u>Preparation Batch#</u>	<u>Analysis Batch#</u>
Total Phosphorus (as P)	0.035	mg/L	365.2	0.01	TotP_070604	TotP_070604
Ortho-Phosphate (as P)	0.041	mg/L	365.3	0.01	OrthoP_070104	OrthoP_070104
Kjeldahl Nitrogen (as N)	0.79	mg/L	351.3	0.10	TKN_071204	TKN_071204
Ammonia Nitrogen (as N)	0.15	mg/L	350.1	0.10	NH3_071604	NH3_071604
Nitrate (as N)	ND	mg/L	300.0	0.10	NO3_070104	NO3_070104
Total Suspended Solids (TSS or NFR)	2.5	mg/L	160.2	1.0	TSS_070604	TSS_070604

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A Division of Control Laboratories Inc.

Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Tel: 831 724-5422
FAX: 831 724-3188

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01 / Colorado Lagoon
Sampling Site: CL-3
Sample ID: CL-3-SD-a
Matrix: Water
Our Laboratory #: 184299- 4/ 5

Sample Collected: 6/29/2004 15:38

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>DLR*</u>	<u>Preparation Batch#</u>	<u>Analysis Batch#</u>
Total Phosphorus (as P)	1.0	mg/L	365.2	0.10	TotP_070604	TotP_070604
Ortho-Phosphate (as P)	0.93	mg/L	365.3	0.10	OrthoP_070104	OrthoP_070104
Nitrate (as N)	1.8	mg/L	300.0	0.10	NO3_070104	NO3_070104
Salinity	1.3	ppt	SM 2520B	0.10	Sal_070604	Sal_070604

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Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Tel: 831 724-5422
FAX: 831 724-3188

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01 / Colorado Lagoon
Sampling Site: CL-3
Sample ID: CL-3-SD-aa
Matrix: Water
Our Laboratory #: 184299- 5/ 5

Sample Collected: 6/29/2004 15:35

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>DLR*</u>	<u>Preparation Batch#</u>	<u>Analysis Batch#</u>
Ammonia Nitrogen (as N)	0.52	mg/L	350.1	0.10	NH3_071604	NH3_071604

DLR is Detection Limit for Reporting.

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A Division of Control Laboratories Inc.

Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Tel: 831 724-5422
FAX: 831 724-3188

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01/Colorado Lagoon
Matrix: Water

Quality Control Report - Method Blank

Analysis	Result	Units	Method	DLR*	Preparation Batch#
Ortho-Phosphate (as P)	ND	mg/L	365.3	0.01	OrthoP_070104
Nitrate (as N)	ND	mg/L	300.0	0.10	NO3_070104
Total Phosphorus (as P)	ND	mg/L	365.2	0.01	TotP_070604
Ammonia Nitrogen (as N)	ND	mg/L	350.1	0.10	NH3_071604
Total Suspended Solids (TSS or NFR)	ND	mg/L	160.2	1.0	TSS_070604
Kjeldahl Nitrogen (as N)	0.125	mg/L	351.3	0.10	TKN_071204
Salinity	ND	ppt	SM 2520B	0.10	Sal_070604

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Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01/Colorado Lagoon
Matrix: Water

Quality Control Report - Duplicate

Analysis	Sample# Duplicated	Result Rep 1	Result Rep 2	RPD (%)	Units	Method	DLR	Analysis Batch#
Ortho-Phosphate (as P)	184299-4	0.926	0.926	0.	mg/L	365.3	0.10	OrthoP_070104
Nitrate (as N)	184299-4	1.82	1.84	1.09	mg/L	300.0	0.10	NO3_070104
Total Phosphorus (as P)	184371-3	1.59	1.60	0.63	mg/L	365.2	0.01	TotP_070604
Ammonia Nitrogen (as N)	183299-5	0.517	0.434	17.46	mg/L	350.1	0.10	NH3_071604
Total Suspended Solids (TSS or NFR)	183299-3	2.5	2.5	0.	mg/L	160.2	1.0	TSS_070604
Kjeldahl Nitrogen (as N)	184299-3	0.791	0.813	2.74	mg/L	351.3	0.10	TKN_071204
Salinity	184299-4	1.261	1.256	0.4	ppt	SM 2520B	0.10	Sal_070604

DLR is Detection Limit for Reporting.

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A Division of Control Laboratories Inc.

Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Tel: 831 724-5422
FAX: 831 724-3188

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01/Colorado Lagoon
Matrix: Water

Quality Control Report - Matrix Spike/Matrix Spike Dup

Analysis	Sample# Spiked	Spike Amount	Units	MS % Recovery	MSD % Recovery	RPD of MS/MSD	Method	Analysis Batch#
Ortho-Phosphate (as P)	184299-4	1	mg/L	102.0	104.0	1.02	365.3	OrthoP_070104
Nitrate (as N)	184299-4	2.26	mg/L	105.3	108.0	1.42	300.0	NO3_070104
Total Phosphorus (as P)	184371-3	1	mg/L	98.0	110.0	4.56	365.2	TotP_070604
Ammonia Nitrogen (as N)	183299-5	0.5	mg/L	87.6	92.0	2.28	350.1	NH3_071604
Total Suspended Solids (TSS or NFR)	NA	NA	mg/L	NA	NA	NA	160.2	TSS_070604
Kjeldahl Nitrogen (as N)	184299-3	4	mg/L	95.0	110.2	12.46	351.3	TKN_071204
Salinity	NA	NA	ppt	NA	NA	NA	SM 2520B	Sal_070604

DLR is Detection Limit for Reporting.

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Mike Galloway

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Tel: 831 724-5422
FAX: 831 724-3188

184299 - 5 -2129

Kinnetic Labs Inc.
5225-H Avenida Encinas
Carlsbad, CA 92008
Attn: Genevieve

July 29, 2004

Project #/Name: 5274.01/Colorado Lagoon
Matrix: Water

Quality Control Report - Laboratory Control Sample

Analysis	Result	True Value	Percent Recovery	Units	Method	DLR*	Preparation Batch#
Ortho-Phosphate (as P)	1.81	1.88	96.3	mg/L	365.3	0.01	OrthoP_070104
Nitrate (as N)	6.73	6.99	96.3	mg/L	300.0	0.10	NO3_070104
Total Phosphorus (as P)	2.60	2.53	102.8	mg/L	365.2	0.01	TotP_070604
Ammonia Nitrogen (as N)	12.4	11.8	105.1	mg/L	350.1	0.10	NH3_071604
Kjeldahl Nitrogen (as N)	20.1	17.7	113.6	mg/L	351.3	0.10	TKN_071204
Salinity	0.238	0.228	104.4	ppt	SM 2520B	0.10	Sal_070604

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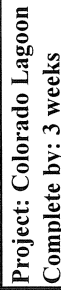


Page 1 of 2

v20030429

From:
Kinnetic Laboratories, Inc
307 Washington St.
Santa Cruz, CA 95060
(831) 457-3950
(831) 426-0405 Fax
Contact: Amy Howk

Date Received: 6-30-08
Lab T#: 184299



Project #: 5274.01

Data Report MUST include the following: Sample ID, Analytical Method, Detection Limit, Date of Extraction if applicable, Date of Analysis, Analytical Results and Signature of QA Reviewer. Submit all data in paper and digital formats to KLI. Email digital to edd@kinneticlabs.com. All times on this sheet are military time.

Special Instructions/Comments:

v20020904